



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/727,006
Filing Date	December 3, 2003
First Named Inventor	James D. Castillo
Art Unit	unknown
Examiner Name	unknown

Attorney Docket Number

INVAT-098A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SA	1	US-D269379	06/14/1983	Bledsoe	
		US-D284702	07/15/1986	Castillo	
		US-D298567	11/15/1988	Womack et al.	
		US-D318736	07/30/1991	Castillo	
		US-D346028	04/12/1994	Lengel	
		US-D357070	04/04/1995	Castillo	
		US-1390915	09/13/1921	Loth	
		US-2531486	11/28/1950	Weber	
		US-2883982	04/28/1959	Rainey	
		US-3030634	04/24/1962	Blair	
		US-3099448	07/30/1963	Salvo	
		US-3387305	06/11/1968	Shafer	
		US-3669105	06/13/1972	Castiglia	
		US-3779654	12/18/1973	Horne	
		US-3785372	01/15/1974	Craig	
		US-3817244	06/18/1974	Taylor	
		US-3900898	09/26/1975	Ackerman	
		US-3902482	09/02/1975	Taylor	
SA	1	US-3918871	12/31/1975	Johnson	
		US-3958569	05/25/1976	Vosburgh	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SA	1	EP-297766	04/01/1989		
		GR 1491569	07/31/1969		
		GR 2432766	03/06/1975		
		WO 84/00533	11/08/1984		
		FR 2627381	08/1989		
		FR 2581859	11/1986		
		WO 9215264	03/06/1992	Townsend	
SA	1				

Examiner
Signature

Shumayev

Date
Considered

3/3/05

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Sheet	1	of	1	Application Number	10/727,006
				Filing Date	December 3, 2003
				First Named Inventor	James D. Castillo
				Art Unit	unknown
				Examiner Name	unknown
				Attorney Docket Number	INVAT-098A

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
SH		US- 4136404	01/30/1979	Lange	
		US- 4169467	10/02/1979	Robischong et al.	
		US- 4241730	12/30/1980	Helfet	
		US- 4271931	06/09/1981	Deibert	
		US- 4361142	11/30/1982	Lewis et al.	
		US- 4372298	02/08/1983	Lerman	
		US- 4381768	05/03/1983	Ericksen et al.	
		US- 4407276	10/04/1983	Bledsoe	
		US- 4428369	01/31/1984	Peckham et al.	
		US- 4487200	12/11/1984	Feanny et al.	
		US- 4489718	12/15/1984	Martin	
		US- 4493316	01/15/1985	Reed et al.	
		US- 4494534	01/22/1985	Hutson	
		US- 4503846	03/12/1985	Martin	
		US- 4523585	06/18/1985	Lamb et al.	
✓		US- 4554913	11/26/1985	Womack et al.	
		US- 4559998	07/15/1988	Castillo	
		US- 4603690	08/05/1986	Skeen	
		US- 4614181	09/30/1986	Karlsson	
SH		US- 4620532	11/04/1986	Houswerth	

FOREIGN PATENT DOCUMENTS

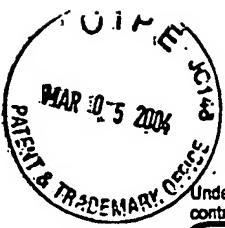
Examiner Signature	Shumaine <i>[Signature]</i>	Date Considered	3/3/05
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				Application Number	10/727,006
				Filing Date	December 3, 2003
				First Named Inventor	James D. Castillo
				Art Unit	unknown
				Examiner Name	unknown
Sheet	1	of	1	Attorney Docket Number	INVAT-098A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SA	US- 4621624		11/11/1986	Rayboy	
SA	US- 4628916		12/16/1986	Lerman et al.	
	US- 4665905		05/19/1987	Brown	
	US- 4681097		07/21/1987	Pansier	:
	US- 4697583		10/06/1987	Mason et al.	
	US- 4699129		10/13/1987	Aaserude et al.	
	US- 4715365		12/29/1987	Detty	
	US- 4723539		02/09/1988	Townsend	
	US- 4753240		06/28/1988	Sparks	
	US- 4791916		12/20/1988	Paez	
	US- 4803975		02/14/1989	Meyers	
	US- 4854308		08/08/1989	Drillio	
	US- 4856501		08/15/1989	Castillo et al.	
	US- 4886054		12/12/1989	Castillo et al.	
	US- 4938207		07/03/1990	Vargo	
	US- 4940044		07/10/1990	Castillo	
✓	US- 4944402		10/23/1990	Grim et al.	
✓	US- 4986264		01/22/1991	Miller	
SA	US- 5063916		11/12/1991	France et al.	
SA	US- 5121742		06/16/1992	Engen	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	3/3/05
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<p>Application Number</p>		<p>10/727,006</p>			
<p>Filing Date</p>		<p>December 3, 2003</p>			
<p>First Named Inventor</p>		<p>James D. Castillo</p>			
<p>Art Unit</p>		<p>unknown</p>			
<p>Examiner Name</p>		<p>unknown</p>			
<p>Attorney Docket Number</p>		<p>INVAT-098A</p>			
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 5135469	08/04/1992	Castillo	
		US- 5230697	07/17/1993	Castillo et al.	
		US- 5288287	02/22/1994	Castillo et al.	
		US- 1388772	08/23/1921	Sheehan	
		US- 4048991	09/20/1977	Marx, Alvin J.	
		US- 6464657	10/15/2002	Castillo, James D.	
		US- 1081448	12/09/1913	Quayle	
		US- 6210352	04/03/2001	Williams et al.	
		US- 5398383	03/21/1995	Bingold, Richard	
		US- 5743117	04/28/1998	Woo et al.	
		US- 3958569	05/25/1976	Vosburgh, Aurther	
		US- D357,070	04/04/1995	Castillo, Edward	
		US- 5947916	09/07/1999	Reidlinger, John	
		US- 4237708	12/09/1980	Bremer et al.	
		US- 5267946	12/07/1993	Singer et al.	
		US- 5547464	08/20/1996	Luttrell et al.	
		US- 5571206	11/05/1996	Varn	
		US- D286183	10/14/1986	Womack et al.	
		US- D292529	10/27/1987	Saare	
		US- 4805606	02/21/1989	McDavid, III	

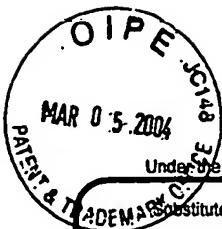
FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary).

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Complete if Known	
Application Number	10/727,006
Filing Date	December 3, 2003
First Named Inventor	James D. Castillo
Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	INVAT-098A

U. S. PATENT DOCUMENTS

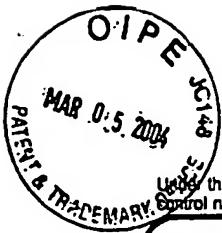
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature	Shimane, A.	Date Considered	3/3/05
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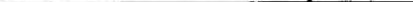
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Sheet	1	of	0	Application Number	10/727,006
				Filing Date	December 3, 2003
				First Named Inventor	James D. Castillo
				Group Art Unit	unknown
				Examiner Name	unknown
				Attorney Docket Number	INVAT-098A

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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